



Performance Standard		
Nominal Bore	NPS	1"~2"
Nominal Pressure	PSI	6000
Pressure Test		
Shell Test	63.0	Mpa
Seal Test	46.2	
Backseat Test	46.2	
Air Test	0.6	
Working Temperature	-46°C ~ 200°C	
Suitable Medium	Water, Oil, Gas, Steam, etc	

**Main outline size and connection**

NPS	L	H	Do	NPT
1"	80	95	74	1"
1 1/4"	91	108	93	1 1/4"
1 1/2"	100	125	120	1 1/2"
2"	128	150	130	2"

1	Nondestructive Testing		
1.1	Pressure Test	Mandatory	Yes
1.2	Chemical composition certification	Mandatory	Yes
1.3	Penetrant Test	Mandatory	Yes
1.4	Magnetic particle testing	Mandatory	Yes

**Technical Requirements**

- Design & manufacture as to:MFR-STD
- Face-to-face dimension standard as to:MFR-STD
- NPT Threaded Standard as to:ASME B1.20.1
- Testing record as to:API 598

10	Handle	1	SS.	
9	Disc		ASTM A182 F316	
	Stem	1	ASTM A182 F316	
8	Packing bolt	1	ASTM A182 F316	
7	Panel nut	1	ASTM A182 F316	
6	Bonnet	1	ASTM A182 F316	
5	Bolt	1	ASTM A182 F316	
4	Packing seat	3	PTFE	
3	Packing supports	1	ASTM A182 F316	
2	Supports	1	ASTM A182 F316	
1	Body	1	ASTM A182 F316	
NO.	NAME OF PART	QTY	MATERIAL	

NEEDLE VALVE



NPS 1"-2"  
6000PSI NPT